



KET Guide to High School Equivalency Test Preparation: Online Courses

Fast Forward Online Courses

KET's *Fast Forward* online preparation system includes pre-assessments that will help learners pinpoint areas of weakness and post-assessments that will enable them to track their progress and consider their readiness to take the GED®, or other high school equivalency, tests. KET will offer four courses: Mathematics, Language Arts, Social Studies, and Science. The mathematics course will include two sections – Reasoning with Numbers, Statistics, and Geometry and Algebraic Reasoning; the language arts course will include three sections – Reading, Language, and Writing.

Reading

This course covers seven topics and includes 15 lessons covering 53 skills.

Reading Pretest

- 1 Analyze Central Ideas and Supporting Details
 - 1.1 Main Ideas and Supporting Details
 - 1.2 Summaries and Inferences
 - 1.3 Conclusions and GeneralizationsAnalyze Central Ideas and Supporting Details Review
- 2 Analyze Development of Ideas
 - 2.1 Relationships of Ideas in Informational Texts
 - 2.2 Relationships in Literary TextAnalyze Development of Ideas Review
- 3 Interpret Words and Phrases
 - 3.1 Word and Phrase Usage
 - 3.2 Word Meaning and ToneInterpret Words and Phrases Review
- 4 Determine Author's Viewpoint
 - 4.1 Author's Purpose
 - 4.2 Author's Point of ViewDetermine Author's Viewpoint Review
- 5 Analyze the Structure of Text
 - 5.1 Transition Words and Phrases
 - 5.2 Text Structure and MeaningAnalyze the Structure of Text Review
- 6 Evaluate Arguments and Reasoning
 - 6.1 Claims and Support
 - 6.2 Reasoning and AssumptionsEvaluate Arguments and Reasoning Review

- 7 Synthesize Multiple Sources
 - 7.1 Information in Related Texts
 - 7.2 Text and Graphic Materials
- Synthesize Multiple Sources Review

Reading Post-Test

Language

This course covers three topics and includes eight lessons covering 31 skills.

Language Pretest

- 1 Effective Sentence Structure
 - 1.1 Complete Sentences
 - 1.2 Correct Sentences
 - 1.3 Organized Sentences
 - 1.4 Improved Sentences
- Effective Sentence Structure Review
- 2 Correct Grammar and Usage
 - 2.1 Nouns, Pronouns, and Agreement
 - 2.2 Verb Forms, Tenses, and Agreement
- Correct Grammar and Usage Review
- 3 Correct Spelling, Capitalization, and Punctuation
 - 3.1 Spelling and Capitalization
 - 3.2 Punctuation
- Correct Spelling, Capitalization, and Punctuation Review

Language Posttest

Writing

This course covers two topics and includes 11 lessons covering 59 skills.

Writing Pretest

- 1 Writing Basics
 - 1.1 Effective Paragraphs
 - 1.2 Writing for a Purpose
 - 1.3 The Writing Process
- Writing Basics Review
- 2 Construct Extended Responses to Text
 - 2.1 Writing to Respond to a Text
 - 2.2 Reading to Analyze Source Material
 - 2.3 Reading to Synthesize from Two Sources
 - 2.4 Argument and Use of Evidence
 - 2.5 Logical Organizational Structure
 - 2.6 Developed and Related Ideas
 - 2.7 Effective Word Choice and Use
 - 2.8 Correct Sentence Structure and Fluency
- Construct Extended Responses to Text Review

Writing Posttest

LANGUAGE ARTS PRACTICE-TEST I
LANGUAGE ARTS PRACTICE-TEST II

Mathematics: Reasoning with Numbers, Statistics, and Geometry

This course covers four topics and includes 19 lessons covering 92 skills.

Reasoning with Numbers, Statistics, and Geometry Pretest

- 1 Number Sense, Operations, and Problem Solving
 - 1.2 Positive and Negative Integers
 - 1.3 Integer Operations
 - 1.4 Properties and Operations
 - 1.5 Decimal Operations
 - 1.6 Fraction Operations
 - 1.7 Exponential ExpressionsNumber Sense, Operations, and Problem Solving Review
- 2 Problem Solving with Ratio, Proportion, and Percent
 - 2.1 Ratio
 - 2.2 Proportions
 - 2.3 PercentsRatio, Proportion, and Percent Review
- 3 Problem Solving with Statistical Measurement
 - 3.1 Data Analysis
 - 3.2 Statistical Data Sets
 - 3.3 Sample Space and Probability ModelsProblem Solving in Statistical Measurement Review
- 4 Problem Solving with Geometric Measurement
 - 4.1 Geometry Basics
 - 4.2 Perimeter and Area of Polygons
 - 4.3 Perimeter and Area of Triangles
 - 4.4 Circles
 - 4.5 Surface Area and Volume of Cubes, Prisms, and Pyramids
 - 4.6 Surface Area and Volume of Cones, Cylinders, and Spheres
 - 4.7 Composite FiguresProblem Solving in Geometric Measurement Review

Reasoning with Numbers, Statistics, and Geometry Posttest

Mathematics: Algebraic Reasoning

This course covers seven topics and includes 18 lessons covering 92 skills.

Algebraic Reasoning Pretest

- 1 Numbers and Operations
 - 1.1 Use Signed Numbers
 - 1.2 Learn Basic Properties and OperationsNumbers and Operations Review
- 2 Linear Expressions
 - 2.1 Picture and Write Basic Expressions
 - 2.2 Evaluate a Simple Expression

2.3 Simplify and Write Expressions
Linear Expressions Review

- 3 Linear Equations
 - 3.1 Write and Solve Linear Equations with One Variable
 - 3.2 Solve Multi-Step Equations
 - 3.3 Graph Linear Equations
 - 3.4 Use Slope to Write Linear EquationsLinear Equations Review
- 4 Systems of Equations and Linear Equalities
 - 4.1 Solve and Graph Systems of Equations
 - 4.2 Write and Solve Linear InequalitiesSystems of Equations and Linear Equalities Review
- 5 Patterns and Functions
 - 5.1 Recognize and Follow Patterns
 - 5.2 Compare Functions in Different PresentationsPatterns and Functions Review
- 6 Polynomials and Rational Expressions
 - 6.1 Perform Operations with Polynomials
 - 6.2 Evaluate Polynomial Expressions
 - 6.3 Simplify, Evaluate, and Write Rational ExpressionsPolynomial and Rational Expressions Review
- 7 Quadratic Equations
 - 7.1 Recognize, Write, and Substitute with Quadratic Equations
 - 7.2 Evaluate Quadratic EquationsQuadratic Equations Review

Algebraic Reasoning Posttest

MATHEMATICS PRACTICE-TEST I
MATHEMATICS PRACTICE-TEST II

Science

This course covers five topics and includes 13 lessons covering 53 skills.
Science Pretest

- 1 Life Science
 - 1.1 Human Body and Health
 - 1.2 Life Functions and Ecosystems
 - 1.3 Heredity and EvolutionLife Science Review
- 2 Physical Science
 - 2.1 Energy Topics
 - 2.2 Work, Motion, and Forces
 - 2.3 Chemical Properties and ReactionsPhysical Science Review

- 3 Earth and Space Science
 - 3.1 Earth and the Universe
 - 3.2 The Changing Earth
 - 3.3 Interactions Between Earth and Living Things
 - Earth and Space Science Review
- 4 Science Practices
 - 4.1 Comprehend, Interpret, and Evaluate Scientific Presentations
 - 4.2 Understand and Apply the Scientific Method
 - 4.3 Understand Statistics and Probability
 - Science Practices Review
- 5 GED® Test
 - 5.1 Construct a Short Answer

Science Posttest

SCIENCE PRACTICE TEST

Social Studies

This course covers four topics and includes 12 lessons covering 66 skills.

Social Studies Pretest

- 1 United States History
 - 1.1 Revolution through Civil War and Reconstruction
 - 1.2 Immigration, Industrialization, and Rights
 - 1.3 World Wars, Cold War, and the Aftermath of 9/11
 - United States History Review
- 2 Civics and Government
 - 2.1 American Constitutional Democracy
 - 2.2 Structure and Design of a U.S. Government
 - 2.3 Individual Rights and Civic Responsibilities
 - Civics and Government Review
- 3 Economics
 - 3.1 Fundamental Economics Concepts
 - 3.2 Government and Personal Economics
 - 3.3 World Events and Economics
 - Economics Review
- 4 Geography and the World
 - 4.1 Civilization and Nations
 - 4.2 Society and the Environment
 - 4.3 People and Places
 - Geography and the World Review

Social Studies Posttest

SOCIAL STUDIES PRACTICE TEST